

**Notice of Allowability**

Application No.

09/865,257

Examiner

Nabil M El-Hady

Applicant(s)

LOWRY ET AL.

Art Unit

2154

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/29/2004.
2. ☒ The allowed claim(s) is/are 21-41, now as 1-21.
3. ☒ The drawings filed on 25 May 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. The application has been amended as follows:

In the specification:

A. The abstract is amended to read as follows:

-- An improved system, method and software program is provided for distributed directory enabled applications using an XML API. The improvement provides an event system, a parser, and a bridge-based object model. The event system includes the ability to publish an event, subscribe to the event, and act on the event. The parser enables the XML API to parse XML files by accepting an XML file as an input stream, parsing the input stream, dynamically loading system services referenced in the input stream, and configuring the services. The bridge-based object model utilizes thread safeness, which enables a bridge to use semaphore access control to control thread access, smart pointers, which enable a bridge to automatically manage the memory it requires, and opaque interfaces, which allow a bridge to maintain interface compatibility when implementation changes occur in an interface. --.

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B. The paragraph under the header "CROSS REFERENCE" is amended to read:

-- This application is a Continuation of U.S. Serial Number 09/832,970, filed April 11, 2001, now abandoned, which is a Continuation of U.S. Serial Number 09/741,678, filed December 19, 2000, now abandoned. This application is related to U.S. Patent Application Serial No. 09/878,710, filed on June 11, 2001, and entitled "XML-BASED INTEGRATED SERVICES BRIDGING," now US Patent No. 6,772,206, issued August 3, 2004, and is also related to U.S. Patent Application Serial No. 09/865,232, filed on May 25, 2001 and entitled "XML-BASED INTEGRATED SERVICES PARSING." --.

3. The paragraph in page 22 under subtitle "Replication" is amended to read:

-- In one embodiment, the XIS framework permits the generic replication of XML data to another machine. Such replication details and controls how objects are retrieved, how events are replicated up to the master processes, and other fundamental replication issues. One embodiment of such a replicatory scheme is provided in U.S. patent application Serial Number 09/501,873, filed on February 10, 2000, and also assigned to Novell, Inc., entitled "VIRTUAL REPLICATION FOR A COMPUTER DIRECTORY SYSTEM", now US Patent No. 6,671,688, issued December 30, 2003, and hereby incorporated by reference as if reproduced in its entirety. --

4. Applicant's arguments filed 11/29/2004 with respect to claims 21, 31, and 41 have been fully considered and are persuasive. The rejection of claims 21-41 has been withdrawn.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nabil M El-Hady whose telephone number is (571) 272-3963. The examiner can normally be reached on 9:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

March 9, 2005

A handwritten signature in black ink, appearing to read "N. El-Hady", with a long, sweeping diagonal line extending downwards and to the right from the end of the signature.

Nabil El-Hady, Ph.D, M.B.A.  
Primary Patent Examiner  
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